7-10-1 Civil 3D
Date

1.1 Originator
This section has not yet been written.

1.2 Introduction

1.3 Process

1.4 References

1/1/2015

Author

Date

7-10-5 Quantities 2 Plans (Q2P)
Updated December 21, 2021

5.1 Originator
Project Development Section

5.2 Introduction

Quantities 2 Plans is an add-in-based application created to work with Microsoft® Excel® used to calculate LET plan quantities, format quantities into miscellaneous quantity tables, generate the project estimate and export the final estimate to AASHTOWare Project Preconstruction (AWP Precon) at PS&E.

The use of Q2P in developing quantities and estimates throughout a project's design is an overall timesaver as users are able to calculate quantities, create the engineer's estimate and provide estimate documentation all in one file. Q2P contains all the current bid items (from the WisDOT Standard Specifications for Highway and Structure Construction). The main worksheet in Q2P displays the project's associated bid items list. Population of this list occurs when the user adds bid items to the project via the creation of MQ sheets. The MQ sheets store quantity information by category, which is useful when a project is funded by multiple categories. Q2P also allows the user to create combined "summary" sheets for similar items. Basic knowledge of Microsoft® Excel® allows the user to format quantities to the user's preference for use in MQ plan sheets.

Miscellaneous Quantity (MQ) plans sheets are created in in Microsoft® PowerPoint® or Autodesk® Civil 3D®. Individual MQ tables are copied from the project Q2P file and pasted (as a link) to populate the MQ plan sheets. When properly linked, changes to the tables in the Q2P file will also reflect in the MQ plan sheets.

Q2P has import / export capabilities with AASHTOWare ™ Project Estimator, an estimating tool populated with three years of WisDOT bid item history. Users can export Q2P project quantities to Estimator, run estimator regression models, and import the unit prices back into Q2P. Documentation of Estimator results along with other price data (BidExpress, past projects, etc.) can be stored to the right of the main bid items worksheet. Estimate data is updated by design staff from scoping phase through PS&E.

Q2P also has export capabilities to AWP. AWP is a system created by AASHTO to manage highway contracts from pre-bid to the end of construction. This system is used to transmit the estimate to central office at pre-PS&E and PS&E. When a project estimate is uploaded to AWP at PS&E phase, Q2P is no longer considered the official engineer's estimate.

5.3 Process

Q2P can be requested to be installed for internal users by completing a Software-Request New service from the IT Service Portal. External users can download the application from the WisDOT Q2P Application Page.

The Q2P User Guide is also accessible on the WisDOT Q2P Application Page. Two versions are available – one for the current version and one for the legacy internal-only version 1.4.

It is highly recommended that designers first read the Q2P User Guide in order to properly set up a new Q2P file. Troubleshooting instructions for common issues that may arise while using the spreadsheet are also available in the guide.

A video training regarding Q2P is available on YouTube. This video is a condensed visual talk through of the instructions in the Q2P User Guide. Timestamps for different sessions and topics are listed in the video description for easier navigation.

5.4 References

Please visit the Estimating Tools - Q2P webpage to subscribe to the WisDOT Q2P email list for Q2P news or to find the name of the Region's currently designated Q2P Support Staff. Notifications for updates, or tips & tricks, etc. are shared via this distribution list.

Questions or comments can be directed to the Q2P mailbox dotq2p@dot.wi.gov or to one of the following designated Q2P Support Staff:

Madison Office Support Staff:

Jeremy White, jeremy.white@dot.wi.gov

La Crosse Office Support Staff:

Paul Valenti, paul.valenti@dot.wi.gov

Brandyn Mecum, brandyn.mecum@dot.wi.gov

Charlene Bregaudit	*1/22/2015*
Author	Date

7-10-10 AASHTOWare Project Estimator   *Updated December 5, 2019*

10.1 Originator

Project Development Section

10.2 Introduction

AASHTOWare Project Estimator is a cost estimating tool used to determine the overall construction project cost using bid results from the past three years of project lettings in the State of Wisconsin.

10.3 Process

Department staff can access Estimator by selecting the link listed below. Once you click on the link and the software opens, the program will ask the user to enter a username and password. The username is "user" and the password is "password."

Once successfully logged into the software, the user should ensure that the program is using the most recent bid information and most current catalog. To check, click on "Catalog Tools" at the top of the screen, select "Open a Catalog" from the dropdown menu, select the most recent year's catalog and hit "OK". The department will provide an updated catalog each year.

Estimator should be one of the tools used to develop a construction estimate.

More detailed guidance can also be found in FDM 19-5-5.

10.4 References

AASHTOWare Project Estimator *(link available to internal staff only)*

Mike Rud	*1/21/2015*
Author	Date

7-10-15 Bid Express   *Date*

15.1 Originator

This section has not yet been written.

15.2 Introduction

15.3 Process

15.4 References

1/1/2015

Author   Date

7-10-20 Drainage Software   *Date*

20.1 Originator

This section has not yet been written.

20.2 Introduction

20.3 Process

20.4 References

1/1/2015

Author   Date